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(54) Title: BREATHABLE NON-WETTABLE MELT-BLOWN NON-WOVEN MATERIALS AND PRODUCTS EMPLOYING THE SAME

(57) Abstract: Breathable non-wettable non-woven materials include a mass of melt-blown, non-woven fibers formed of a terpolymer of tetrafluoroethylene, hexafluoropropylene and vinylidene fluoride monomers. Most preferably, the materials of the present invention are in the form of fabric structures which can be processed to form a variety of products for numerous end use applications, such as for garments, bandages, barrier vents, filter media and the like. In especially preferred form, the melt-blown non-woven fibers are comprised of a THV terpolymer formed of between about 30 to about 70 wt.% of tetrafluoroethylene monomer, between about 10 to about 20 wt.% of hexafluoropropylene monomer, and between about 20 to about 65 wt.% vinylidene fluoride monomer.

WO 03/057961 A3

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A62B 7/10.

US CL : 128/206.12, 205.27.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 128/206.12, 205.27.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
PALM

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US 2002/0174869 A1 (GAHAN et al.) 28 November 2002, see entire document.	1-16

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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